

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10040321 on February 26, 2003

10 701/117 (4 OR, 6 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/117 .Traffic analysis or control of surface vehicle

8 701/23 (6 OR, 2 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/23 .Automatic route guidance vehicle

7 701/301 (1 OR, 6 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/300 RELATIVE LOCATION
 701/301 .Collision avoidance

7 701/96 (0 OR, 7 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/70 .Indication or control of braking,
 acceleration, or deceleration
 701/93 ..Vehicle speed control (e.g., cruise control)
 701/96 ...Having inter-vehicle distance or speed
 control

6 340/905 (2 OR, 4 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR OR
 ALARM
 340/905 .Highway information (e.g., weather, speed
 limits, etc.)

6 701/1 (1 OR, 5 XR)

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Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION

6 701/208 (1 OR, 5 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/207 .Employing position determining equipment
701/208 ..For use in a map data base system

5 180/168 (0 OR, 5 XR)
Class 180 : MOTOR VEHICLES
180/167 WITH MEANS FOR CONTROLLING OPERATION RESPONSIV
E
TO ELECTROMAGNETIC RADIATION, MAGNETIC FOR
CE, OR SOUND
WAVES RECEIVED FROM SOURCE, OR REFLECTED F
ROM OBJECT OR
SURFACE, LOCATED APART FROM VEHICLE
180/168 .Having controlling means adapted to interact
with stationary means which describes cours
e of vehicle's
travel

5 318/587 (2 OR, 3 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/560 POSITIONAL SERVO SYSTEMS (E.G.,
SERVOMECHANISMS)
318/580 .Vehicular guidance systems with single axis
control
318/587 ..Land vehicles

5 340/903 (0 OR, 5 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O
R
ALARM
340/902 .Transmitter in another vehicle (e.g.,
emergency vehicle)
340/903 ..Relative distance between vehicles (e.g.,
collision alert)

5 701/200 (1 OR, 4 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION

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5 701/24 (1 OR, 4 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/23 .Automatic route guidance vehicle
 701/24 ..On-board computer interact with a host
 computer

5 701/29 (1 OR, 4 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/29 .Vehicle diagnosis or maintenance indication

5 701/36 (1 OR, 4 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/36 .Vehicle subsystem or accessory control

5 701/49 (3 OR, 2 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/36 .Vehicle subsystem or accessory control
 701/49 ..Vehicle equipment position control (e.g.,
 seat, mirror, door, window, headrest, or he

adlamp)

5 701/93 (4 OR, 1 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/70 .Indication or control of braking,
 acceleration, or deceleration
 701/93 ..Vehicle speed control (e.g., cruise control)

4 180/170 (1 OR, 3 XR)
 Class 180 : MOTOR VEHICLES
 180/170 WITH MEANS RESPONSIVE TO SPEED OF VEHICLE FOR
 MAINTAINING SPEED AT, OR PREVENTING IT FROM

EXCEEDING, A

PARTICULAR VALUE

4 340/5.72 (0 OR, 4 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/825 SELECTIVE
 340/5.1 .Intelligence comparison for controlling
 340/5.2 ..Authorization control (e.g., entry into an
 area)
 340/5.7 ...Access barrier
 340/5.72Vehicle door

4 340/988 (1 OR, 3 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION

4 340/995 (1 OR, 3 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/988 VEHICLE POSITION INDICATION
 340/995 .Map display

4 701/118 (0 OR, 4 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/117 .Traffic analysis or control of surface vehicl
 701/118 ..With determination of traffic density

4 701/41 (4 OR, 0 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/36 .Vehicle subsystem or accessory control
 701/41 ..Steering control

3 180/169 (1 OR, 2 XR)
 Class 180 : MOTOR VEHICLES
 180/167 WITH MEANS FOR CONTROLLING OPERATION RESPONSIV

E
 CE, OR SOUND
 ROM OBJECT OR
 TO ELECTROMAGNETIC RADIATION, MAGNETIC FOR
 WAVES RECEIVED FROM SOURCE, OR REFLECTED F
 SURFACE, LOCATED APART FROM VEHICLE

- 180/169 .Radiation, force, or waves reflected from
 external object or surface
- 3 307/10.2 (0 OR, 3 XR)
 Class 307 : ELECTRICAL TRANSMISSION OR INTERCONNECTION
 SYSTEMS
 307/9.1 VEHICLE MOUNTED SYSTEMS
 307/10.1 .Automobile
 307/10.2 ..Antitheft
- 3 340/436 (0 OR, 3 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/425.5 LAND VEHICLE ALARMS OR INDICATORS
 340/436 .Of collision or contact with external object
- 3 340/438 (1 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/425.5 LAND VEHICLE ALARMS OR INDICATORS
 340/438 .Internal alarm or indicator responsive to a
 condition of the vehicle
- 3 340/825.72 (0 OR, 3 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/825 SELECTIVE
 340/825.71 .Frequency responsive actuation
 340/825.72 ..Wireless link
- 3 340/933 (1 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/933 VEHICLE DETECTORS
- 3 340/934 (0 OR, 3 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/933 VEHICLE DETECTORS
 340/934 .Density
- 3 340/937 (0 OR, 3 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/933 VEHICLE DETECTORS
 340/937 .With camera
- 3 701/35 (2 OR, 1 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/29 .Vehicle diagnosis or maintenance indication

701/35 ..With data recording device

2 123/319 (0 OR, 2 XR)

Class 123 : INTERNAL-COMBUSTION ENGINES
123/319 ENGINE SPEED REGULATOR

2 123/349 (0 OR, 2 XR)

Class 123 : INTERNAL-COMBUSTION ENGINES
123/319 ENGINE SPEED REGULATOR

123/349 .Having condition responsive means with engine
being part of a closed feedback system (e.g

., cruise

control)

2 180/167 (0 OR, 2 XR)

Class 180 : MOTOR VEHICLES
180/167 WITH MEANS FOR CONTROLLING OPERATION RESPONSIV

E

TO ELECTROMAGNETIC RADIATION, MAGNETIC FORC

E, OR SOUND

WAVES RECEIVED FROM SOURCE, OR REFLECTED FR

OM OBJECT OR

SURFACE, LOCATED APART FROM VEHICLE

2 180/287 (1 OR, 1 XR)

Class 180 : MOTOR VEHICLES
180/271 WITH MEANS FOR PROMOTING SAFETY OF VEHICLE, IT

S

OCCUPANT OR LOAD, OR AN EXTERNAL OBJECT

180/287 .By preventing unauthorized or unintended
access or use

2 180/443 (1 OR, 1 XR)

Class 180 : MOTOR VEHICLES
180/400 STEERING GEAR

180/443 .With electric power assist

2 235/384 (0 OR, 2 XR)

Class 235 : REGISTERS
235/375 SYSTEMS CONTROLLED BY DATA BEARING RECORDS
235/384 .Transportation

2 246/187C (0 OR, 2 XR)

Class 246 : RAILWAY SWITCHES AND SIGNALS
246/167R CAB SIGNAL OR TRAIN CONTROL

246/186 .Motive-power control

246/187R ..Electric

246/187C ...Control of vehicle from leading vehicle

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- 2 307/10.1 (1 OR, 1 XR)
 - Class 307 : ELECTRICAL TRANSMISSION OR INTERCONNECTION SYSTEMS
 - 307/9.1 VEHICLE MOUNTED SYSTEMS
 - 307/10.1 .Automobile
- 2 307/10.5 (1 OR, 1 XR)
 - Class 307 : ELECTRICAL TRANSMISSION OR INTERCONNECTION SYSTEMS
 - 307/9.1 VEHICLE MOUNTED SYSTEMS
 - 307/10.1 .Automobile
 - 307/10.2 ..Antitheft
 - 307/10.3 ...Ignition or starting circuit lock
 - 307/10.5Coded record input (e.g., IC card)
- 2 318/466 (0 OR, 2 XR)
 - Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 - 318/445 AUTOMATIC AND/OR WITH TIME-DELAY MEANS (E.G., AUTOMATIC STARTING AND/OR STOPPING)
 - 318/466 .Movement, position, or limit-of-travel
- 2 340/425.5 (0 OR, 2 XR)
 - Class 340 : COMMUNICATIONS: ELECTRICAL
 - 340/425.5 LAND VEHICLE ALARMS OR INDICATORS
- 2 340/426 (0 OR, 2 XR)
 - Class 340 : COMMUNICATIONS: ELECTRICAL
 - 340/425.5 LAND VEHICLE ALARMS OR INDICATORS
 - 340/426 .Of burglary or unauthorized use
- 2 340/5.62 (0 OR, 2 XR)
 - Class 340 : COMMUNICATIONS: ELECTRICAL
 - 340/825 SELECTIVE
 - 340/5.1 .Intelligence comparison for controlling
 - 340/5.2 ..Authorization control (e.g., entry into an area)
 - 340/5.6 ...Coded record input (e.g., IC card or key)
 - 340/5.61Wireless transceiver
 - 340/5.62Including manual switching means
- 2 340/5.64 (1 OR, 1 XR)
 - Class 340 : COMMUNICATIONS: ELECTRICAL
 - 340/825 SELECTIVE
 - 340/5.1 .Intelligence comparison for controlling
 - 340/5.2 ..Authorization control (e.g., entry into an area)
 - 340/5.6 ...Coded record input (e.g., IC card or key)

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340/5.64      ....Wireless transmitter

2  340/825.69  (1 OR, 1 XR)
    Class 340 : COMMUNICATIONS: ELECTRICAL
    340/825    SELECTIVE
    340/825.57 .Pulse responsive actuation
    340/825.62 ..Serial
    340/825.69 ...Radio link

2  340/928     (2 OR, 0 XR)
    Class 340 : COMMUNICATIONS: ELECTRICAL
    340/907    TRAFFIC CONTROL INDICATOR
    340/928    .Combined (e.g., toll systems, one-way)

2  340/990     (1 OR, 1 XR)
    Class 340 : COMMUNICATIONS: ELECTRICAL
    340/988    VEHICLE POSITION INDICATION
    340/989    .At remote location
    340/990    ..With map display

2  342/357.1   (1 OR, 1 XR)
    Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                  AND DEVICES
    342/350    DIRECTIVE
    342/352    .Including a satellite
    342/357.01 ..With position indicating
    342/357.06 ...Using Global Positioning Satellite (GPS or
                  Glonass)
    342/357.1  ....Combined with telecommunication

2  342/457     (0 OR, 2 XR)
    Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                  AND DEVICES
    342/350    DIRECTIVE
    342/450    .Position indicating (e.g., triangulation)
    342/457    ..Land vehicle location (e.g., bus, police car)

2  380/262     (0 OR, 2 XR)
    Class 380 : CRYPTOGRAPHY
    380/255    COMMUNICATION SYSTEM USING CRYPTOGRAPHY
    380/259    .Symmetric key cryptography
    380/260    ..Symmetric key synchronization
    380/262    ...Transmitting a seed, sequence, or initial
                  value

2  701/119     (0 OR, 2 XR)
    Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND

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RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION

701/117 .Traffic analysis or control of surface vehicl

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701/119 ..With determination of traffic speed

2 701/19 (2 OR, 0 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION

701/19 .Railway vehicle

2 701/210 (1 OR, 1 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/200 NAVIGATION

701/207 .Employing position determining equipment

701/208 ..For use in a map data base system

701/209 ...Including route searching or determining
device

701/210Route correction, modification, or
verification

2 701/211 (0 OR, 2 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/200 NAVIGATION

701/207 .Employing position determining equipment

701/208 ..For use in a map data base system

701/211 ...Having audio or visual route guidance

2 701/213 (1 OR, 1 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/200 NAVIGATION

701/207 .Employing position determining equipment

701/213 ..Using Global Positioning System (GPS)

2 701/220 (0 OR, 2 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/200 NAVIGATION

701/207 .Employing position determining equipment

701/220 ..Using inertial sensor

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- 2 701/28 (1 OR, 1 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/23 .Automatic route guidance vehicle
 701/28 ..Having image processing
- 2 701/30 (0 OR, 2 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/29 .Vehicle diagnosis or maintenance indication
 701/30 ..Indication of maintenance interval
- 2 701/33 (0 OR, 2 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/29 .Vehicle diagnosis or maintenance indication
 701/33 ..Plural processors or external processor
- 2 701/45 (2 OR, 0 XR)-
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/36 .Vehicle subsystem or accessory control
 701/45 ..Control of vehicle safety devices (e.g.,
 airbag, seat-belt, etc.)
- 2 701/53 (0 OR, 2 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/51 .Transmission control
 701/53 ..And other vehicle control
- 2 701/66 (1 OR, 1 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/51 .Transmission control
 701/66 ..Time regulated operations